

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/777,492
Source: FWO
Date Processed by STIC: 10/31/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/777,492

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "**n**" can only represent a single nucleotide; "**Xaa**" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 10/31/2005

PATENT APPLICATION: US/10/777,492

TIME: 11:24:56

Input Set : D:\Sequence Listing.txt

Output Set: N:\CRF4\10312005\J777492.raw

3 <110> APPLICANT: Eul, Joachim

5 <120> TITLE OF INVENTION: A method for the repair of mutated RNA from genetically defective

6 DNA and for the specific destruction of tumor cells by RNA

7 trans-splicing, and a method for the detection of naturally

8 trans-spliced cellular RNA

10 <130> FILE REFERENCE: 7700-X04-013

12 <140> CURRENT APPLICATION NUMBER: US 10/777,492

13 <141> CURRENT FILING DATE: 2004-02-12

15 <150> PRIOR APPLICATION NUMBER: PCT/EP02/09082

16 <151> PRIOR FILING DATE: 2002-08-13

18 <160> NUMBER OF SEQ ID NOS: 11

20 <170> SOFTWARE: PatentIn version 3.3

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 33

24 <212> TYPE: DNA

25 <213> ORGANISM: Artificial Sequence

27 <220> FEATURE:

28 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

30 <400> SEQUENCE: 1

31 aaccggccaa cggccaatt tttttttttt ttt 33

34 <210> SEQ ID NO: 2

35 <211> LENGTH: 18

36 <212> TYPE: DNA

37 <213> ORGANISM: Artificial Sequence

39 <220> FEATURE:

40 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

42 <400> SEQUENCE: 2

43 agaagaacgg aagaacaa 18

46 <210> SEQ ID NO: 3

47 <211> LENGTH: 22

48 <212> TYPE: DNA

49 <213> ORGANISM: Artificial Sequence

51 <220> FEATURE:

52 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

54 <400> SEQUENCE: 3

55 gggttgaagg ttggaagggg gg 22

58 <210> SEQ ID NO: 4

59 <211> LENGTH: 17

60 <212> TYPE: DNA

61 <213> ORGANISM: Artificial Sequence

63 <220> FEATURE:

64 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

66 <400> SEQUENCE: 4

Does Not Comply
Corrected Diskette Needed

pp 2-3

RAW SEQUENCE LISTING

DATE: 10/31/2005

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Input Set : D:\Sequence Listing.txt

Output Set: N:\CRF4\10312005\J777492.raw

67 ggttggaagg ttggaag 17
 70 <210> SEQ ID NO: 5
 71 <211> LENGTH: 18
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Artificial Sequence
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 78 <400> SEQUENCE: 5
 79 agaagaacgg aagaacaa 18
 82 <210> SEQ ID NO: 6
 83 <211> LENGTH: 18
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Artificial Sequence
 87 <220> FEATURE:
 88 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 90 <400> SEQUENCE: 6
 91 aaccttccaa ccggccaa 18
 94 <210> SEQ ID NO: 7
 95 <211> LENGTH: 17
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial Sequence
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 102 <400> SEQUENCE: 7
 103 ggttggaagg ttggaag 17
 106 <210> SEQ ID NO: 8
 107 <211> LENGTH: 19
 108 <212> TYPE: DNA
 109 <213> ORGANISM: Artificial Sequence
 111 <220> FEATURE:
 112 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 114 <400> SEQUENCE: 8
 115 cttgttcttc cgttcttct "a" can only represent itself. Per sequence rules 19
 118 <210> SEQ ID NO: 9
 119 <211> LENGTH: 8
 120 <212> TYPE: RNA
 121 <213> ORGANISM: Artificial Sequence
 123 <220> FEATURE:
 124 <223> OTHER INFORMATION: Position 2 A/G, Position 3 C/U, Position 5 A/G, Position 7
 125 Position 8 A/G, use "r"
 126 Description of the Artificial Sequence: 3' Splice site give source of genetic material:
 128 <400> SEQUENCE: 9
 129 uacuaaca 8 (see item 11
 132 <210> SEQ ID NO: 10
 133 <211> LENGTH: 6
 134 <212> TYPE: RNA
 135 <213> ORGANISM: Artificial Sequence use "r"
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: Position 3 A/G, Position 4 A/G, use "r"

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/777,492

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TIME: 11:24:56

Input Set : D:\Sequence Listing.txt

Output Set: N:\CRF4\10312005\J777492.raw

139 Description of the Artificial Sequence 5' Splice site

give source

141 <400> SEQUENCE: 10

142 guaagu

6

145 <210> SEQ ID NO: 11

146 <211> LENGTH: 3

147 <212> TYPE: RNA

148 <213> ORGANISM: Artificial Sequence

150 <220> FEATURE:

151 <223> OTHER INFORMATION: Position 1 A/G, Position A/G,

*use 'r'**do you mean Position 2?
(no number shown)
use 'r'*

152 Description of the Artificial Sequence: 5' Splice site

give source

154 <400> SEQUENCE: 11

155 aag

3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/777,492

DATE: 10/31/2005

TIME: 11:24:57

Input Set : D:\Sequence Listing.txt

Output Set: N:\CRF4\10312005\J777492.raw